Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/27/2021 09:25 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123534	-2	2.63	123488	2.77
Blue	F	SSC	125000	123680	-2	3.72	124435	3.80
Blue	E	FITC	14203	13535	-5	3.11	294	15.53
Blue	D	PE	25703	25272	-2	2.78	546	11.02
Blue	B	PerCP-Cy5-5	42104	41222	-3	3.53	917	14.94
Blue	A	PE-Cy7	34646	34004	-2	4.81	480	30.26
Red	C	APC	49824	48665	-3	2.93	1490	11.50
Red	A	APC-Cy7	39773	38729	-3	2.99	722	11.50
Violet	B	V450	7447	7113	-5	3.98	398	13.69
Violet	A	V500	31193	30042	-4	3.74	681	10.55

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21728	3.09	552	-4	N/A	N/A	Pass
Blue	F	SSC	54399	3.34	513	1	N/A	N/A	Pass
Blue	E	FITC	54	57.02	486	0	0.0438	274	Pass
Blue	D	PE	109	39.92	489	4	0.3691	308	Pass
Blue	B	PerCP-Cy5-5	175	36.77	581	4	0.0187	61	Pass
Blue	A	PE-Cy7	109	66.53	625	5	0.0210	3	Pass
Red	C	APC	346	23.95	567	0	0.0271	74	Pass
Red	A	APC-Cy7	200	24.71	544	0	0.0068	1094	Pass
Violet	B	V450	87	44.82	450	1	0.0392	1563	Pass
Violet	A	V500	119	34.21	468	1	0.0259	1640	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.94	-31.59	1.02
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	20.66	15.99 - 23.99	N/A	N/A	29.83	30.25	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10343

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments